

Docket No.: 8733.870.00-US

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Sang-Seok Lee, et al.

Confirmation No.:

Application No.: 10/661,472

Group Art Unit: N/A

Filed: September 15, 2003

Examiner: Not Yet Assigned

For:

SUBSTRATE BONDING MACHINE FOR

LIOUID CRYSTAL DISPLAY DEVICE

Customer No.: 30827

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

DC:50253992.1

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.870.00-US. A duplicate copy of this paper is enclosed.

Dated: December 11, 2003

Respectfully submitted,

Eric J. Nuss

Registration No.: 40,106

MCKENNA LONG & ALDRIDGE LLP

Docket No.: 8733.870.00-US

1900 K Street, N.W. Washington, DC 20006

(202) 496-7500

Attorney for Applicant

DEC 1 1 2003 BY

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE respond to a collection of information unless it contains a valid OMB control number.

Sub	Substitute for form 1449A/B/PTO			Complete if Known		
				Application Number	10/661,472	
IN	IFORMATION	ON DISC	LOSURE	Filing Date	September 15, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Sang-Seok Lee	
				Art Unit	N/A	
	(Use as many	/ sheets as nec	essary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	5	Attorney Docket Number	8733.870.00-US	

	_		U.S. PA	TENT DOCUMENTS	7
Examiner nitials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	2001-0021000-A1	09-13-2001	Egami	
	AB	4,094,058-	06-13-1978		
	AC	4,691,995-A1	09-08-1987		
	AD	5,875,922-B1	03-02-1999		
	AE	6,304,311-B1	10-16-2001	Egami et al.	
	AF	5,247,377-B1	09-21-1993		
	AG	5,511,591-	04-30-1996	Abe	
	AH	5,642,214-	06-24-1997		
	ΑI	5,742,370-	04-21-1998		
	AJ	6,011,609-	01-04-2000	Kato et al.	
	AK	6,016,178-	01-18-2000	Kataoka et al.	
	AL	6,055,035-	04-25-2000	von Gutfeld et al.	
	AM	6,163,357-	12-19-2000	Nakamura	
	AN	6,226,067-B1	05-01-2001	Nishiguchi et al.	
	AO	6,304,306-B1	10-16-2001	Shiomi et al.	
	AP	6,414,733-B1	07-02-2002	Ishikawa et al.	
	AQ	3,978,580-A1	09-07-1976	Leupp et al.	
	AR	4,653,864-	03-31-1987	Baron et al.	
	AS	4,775,225-A1	10-04-1988	Tsuboyama et al.	
	AT	5,263,888-	11-23-1993	Ishihara et al.	
	AU	5,379,139-A1	01-03-1995	Sato et al.	
	AV	5,406,989-A1	04-18-1995	Abe	
	AW	5,499,128-A1	03-12-1996	Hasegawa et al.	
	AX	5,507,323-	04-16-1996	Abe	
	AY	5,539,545-	07-23-1996	Shimizu et al.	
	AZ	5,548,429-	08-20-1996	Tsujita	
	AA1	5,680,189-	10-21-1997	Shimizu et al.	
	AB1	5,757,451-	05-26-1998	Daisuke Miyazaki et al.	
	AC1	5,852,484-	12-22-1998	Kazuo Inoue et al.	
	AD1	5,854,664-	12-29-1998	Kazuo Inoue et al.	
		5,861,932-	01-19-1999	Masashi Inata et al.	
		5,952,678	09-14-1999	Ashida	
		5,956,112-		Fujimori et al.	
		6,001,203-		Yamada et al.	
	AI1	6,016,181-	01-18-2000		
		6,219,126-B1	04-17-2001		
		6,236,445-B1		Foschaar et al.	
		6,337,730-B1	01-08-2002		

Examiner	Date
Signature	Considered

DEC 1 1 2003

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substit	ute for form 1449A/I	B/PTO		Complete if Known		
				Application Number	10/661,472	
INF	ORMATI	ON DISC	CLOSURE	Filing Date	September 15, 2003	
ST	ATEMEN.	T BY AP	PLICANT	First Named Inventor	Sang-Seok Lee	
				Art Unit	N/A	
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	2	of	5	Attorney Docket Number	8733.870.00-US	

		FOREI	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Te
	ВА	JP-05-154923-	06-22-1993	Fukuo et al.		
	ВВ	KR-2000-035302-A1	06-26-2000	Yoshihiro		
	ВС	JP-06-235925-	08-23-1994	Katsuya		
	BD	JP-06-313870-	11-08-1994	Fukuo et al.		
	BE	JP-07-084268-	03-31-1995	Hiroshi et al.		
	BF	JP-08-101395-	04-16-1996	Satoru et al.		
	BG	JP-09-061829-	03-07-1997	Satoru et al.		
	ВН	JP-10-177178-	06-30-1998	Shinichi et al.		
	BI	JP-10-333157-	12-18-1998	Takayuki et al.		
	BJ	JP-10-333159-	12-18-1998	Takayuki et al.		
	BK	JP-11-133438-	05-21-1999	Shinichi et al.		
	BL	JP-11-142864-	05-28-1999	Takashi et al.		
	ВМ	JP-11-248930-	09-17-1999	Satoru et al.		Τ.
	BN	JP-11-326922-	11-26-1999	Yuji		
	во	JP-2000-002879-	01-07-2000	Masaki		T
	BP	JP-2000-056311-	02-25-2000	Satoru et al.		
	BQ	JP-2000-066165-	03-03-2000	Koji et al.		
	BR	JP-2000-137235-	05-16-2000	Norihiko et al.		T
	BS	JP-2000-147528-	05-24-2000	Nobutaka et al.		\Box
	BT	JP-2000-193988-	07-14-2000	Taijin et al.		T
	BU	JP-2000-241824-	09-08-2000	Masanori et al.		T
	BV	JP-2000-284295-	10-13-2000	Satoshi et al.		
	BW	JP-2000-292799-	10-20-2000	Yoshiteru et al.		
	вх	JP-2000-310759-	11-07-2000	Norihiko		T
	BY	JP-2000-310784-	11-07-2000	Kazuo et al.		
	BZ	JP-2000-338501-	12-08-2000	Hideaki		
	BA1	JP-2001-005401-	01-12-2001	Kiyoshi et al.		T
	BB1	JP-2001-005405-	01-12-2001	Satoshi et al.		Т
	BC1	JP-2001-013506-	01-19-2001	Seiji et al.		T
	BD1	JP-2001-033793-	02-09-2001	Shinichiro et al.		Т
	BE1	JP-2001-042341-	02-16-2001	Masayuki et al.		
-	BF1	JP-2001-051284-	02-23-2001	Norihiko		
	BG1	JP-2001-066615-	03-16-2001	Katsuki et al.		Т
	BH1	JP-2001-091727-	04-06-2001	Koji et al.		T
	BI1	JP-2001-117109-	04-27-2001	Hideki et al.		Т
	BJ1	JP-2001-133745-	05-18-2001	Satoshi et al.		
	BK1	JP-2001-133799-	05-18-2001	Satoshi		
	BL1	JP-2001-166272-	06-22-2001	Kiyoshi et al.		Γ
	ВМ1	JP-2001-166310-	06-22-2001	Takashi et al.		Ι
	BN1	JP-2001-183683-	07-06-2001	Akinori et al.		T
	BO1	JP-2001-201750-	10-04-2001	Kazuyuki et al.		T
	BP1	JP-2001-209052-	08-03-2001	Hideaki		\top
	BQ1	JP-2001-209060-	08-03-2001	Yoshiro et al.		T
	BR1	JP-2001-215459-	09-13-2001	Norihiko		7
		· · · · · · · · · · · · · · · · · · ·		ID-4-		

Examiner	Date	
Signature	Considered	

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Application Number 10/661,472 **INFORMATION DISCLOSURE** Filing Date September 15, 2003 STATEMENT BY APPLICANT First Named Inventor Sang-Seok Lee Art Unit N/A

					I
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned
Sheet	3	of	5	Attorney Docket Number	8733.870.00-US

	BS1	JP-2001-222017-	08-17-2001	Kunihiro et al.
		JP-2001-235758-	08-31-2001	
		JP-2001-233736-	10-05-2001	
-		JP-2001-281675-		Yutaka et al.
		JP-2001-281678-		Hiroyuki et al.
		JP-2001-282126-		Masayuki et al.
		JP-2001-305563-	10-31-2001	
		JP-2001-330837-	11-30-2001	
		EP-1 003 066 A1-A1	05-24-2000	
		JP-2001-356353-		Satoshi et al.
		JP-51-065656-	06-07-1976	
		JP-59-057221-	04-02-1984	
		JP-59-195222-	11-06-1984	
		JP-60-111221-		Masanori et al.
		JP-57-038414-A1		Naoaki et al.
		JP-57-088428-A1	06-02-1982	
		JP-58-027126-A1	02-17-1983	
		JP-60-164723-A1	08-27-1985	
		JP-60-217343-A1	10-30-1985	
		JP-61-007822-A1	01-14-1986	
		JP-61-055625-A1	03-20-1986	
		JP-62-089025-A1	04-23-1987	
		JP-62-090622-A1		Akihiro et al.
		JP-62-205319-A1	09-09-1987	
		JP-63-109413-A1	05-14-1988	
		JP-63-110425-A1	05-14-1988	
		JP-63-128315-A1	05-31-1988	
		JP-63-311233-A1	12-20-1988	
		JP-05-127179-A1	05-25-1993	
		JP-05-265011-A1	10-15-1993	· · · · · · · · · · · · · · · · · · ·
		JP-05-281557-A1	10-29-1993	
		JP-05-281562-A1		Satoshi et al.
		JP-06-051256-A1	02-25-1994	
		JP-06-148657-A1		Yoshinori et al.
		JP-06-160871-		Yoshinori et al.
		JP-06-265915-A1		Hirotada et al.
	BC3	JP-07-128674-A1	05-19-1995	Yoshiyuki et al.
		JP-07-181507-A1	07-21-1995	
	BE3	JP-08-095066-A1		Kazuhiro et al.
		JP-08-106101-A1		Yoshiro et al.
		JP-08-171094-A1	07-02-1996	
		JP-08-190099-A1		Yoshiro et al.
	BI3	JP-08-240807-A1		Yoshiro et al.
	BJ3	JP-09-005762-A1	01-10-1997	
	ВК3	JP-09-026578-A1		Kunihiro et al.
	BL3	JP-09-073075-A1	03-18-1997	
	ВМ3	JP-09-073096-A1	03-18-1997	
	BN3	JP-09-127528-A1	05-16-1997	Kunihiro et al.

Examiner	Date	
Signature	 Considered	

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE or respond to a collection of information unless it contains a valid OMB control number.

Sub	Substitute for form 1449A/B/PTO			Complete if Known		
-		<i></i>		Application Number	10/661,472	
IN	IFORMATI	ON DIS	CLOSURE	Filing Date	September 15, 2003	
S	TATEMEN'	T BY A	PPLICANT	First Named Inventor	Sang-Seok Lee	
				Art Unit	N/A	
	(Use as man	y sheets as n	ecessary)	Examiner Name	Not Yet Assigned	
Sheet	4	of	5	Attorney Docket Number	8733.870.00-US	

BO3	JP-09-230357-A1	09-05-1997	Teruhiko
BP3	JP-09-281511-A1	10-31-1997	Kunihiro et al.
BQ3	JP-09-311340-A1	12-02-1997	Satoshi
BR3	JP-10-123537-A1	05-15-1998	Norihiko et al.
BS3	JP-10-123538-A1	05-15-1998	Hideki et al.
BT3	JP-10-142616-A1	05-29-1998	Hideyuki et al.
BU3	JP-10-221700-A1	08-21-1998	Kunihiro et al.
BV3	JP-10-282512-A1	10-23-1998	Hideyuki
BW3	JP-11-014953-A1	01-22-1999	Takahiro
BX3	JP-11-038424-A1	02-12-1999	Kunihiro et al.
BY3	JP-11-064811-A1	03-05-1999	Naoto
BZ3	JP-11-109388-A1	04-23-1999	Yuzo et al.
BA4	JP-11-174477-A1	07-02-1999	Katsuki et al.
BB4	JP-11-212045-A1	08-06-1999	Shirou
BC4	JP-11-344714-A1	12-14-1999	Masaaki et al.
BD4	JP-2000-029035-	01-28-2000	Naoya et al.
BE4	JP-2001-117105-	04-27-2001	Takeshi
BF4	JP-2001-133794-	05-18-2001	Kazuyuki
BG4	JP-2001-142074-	05-25-2001	Makiko et al.
BH4	JP-2001-147437-	05-29-2001	Makoto et al.
BI4	JP-2001-154211-	06-08-2001	Yuichiro et al.
BJ4	JP-2001-255542-	09-21-2001	Yuichi
BK4	JP-2001-264782-	09-26-2001	Nobumasa et al.
BL4	JP-2001-330840-A1	11-30-2001	Hisaaki et al.
BM4	JP-2001-356354-A1		Hiroyuki et al.
BN4	JP-2002-014360-A1	01-18-2002	Norihiko et al.
BO4	JP-2002-023176-A1	01-23-2002	Koji
BP4	JP-2002-049045-A1	02-15-2002	Takeshi
BQ4	JP-2002-082340-A1	03-22-2002	Sadaichi et al.
BR4	JP-2002-090759-A1	03-27-2002	Koji
BS4	JP-2002-090760-A1	03-27-2002	Norihiko
BT4	JP-2002-107740-A1	04-10-2002	Mitsuaki
BU4	JP-2002-122872-A1	04-26-2002	Tetsuo et al.
BV4	JP-2002-122873-A1	04-26-2002	Yasuo
BW4	JP-2002-139734-	05-17-2002	Hiroyuki et al.
BX4	JP-2002-202512-A1	07-19-2002	Akimasa
BY4	JP-2002-202514-A1	07-19-2002	Satoshi et al.
BZ4	JP-2002-214626-A1	07-31-2002	Shinichi

Examiner	Date
Signature	Considered

DEC 1 1 2003

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Sub	stitute for form 1449A/B/PTO			Complete if Known		
				Application Number	10/661,472	
IN	IFORMATIC	ON DISC	LOSURE	Filing Date	September 15, 2003	
S	TATEMENT	BY AP	PLICANT	First Named Inventor	Sang-Seok Lee	
				Art Unit	N/A	
	(Use as many	sheets as nec	essary)	Examiner Name	Not Yet Assigned	
Sheet	5	of	5	Attorney Docket Number	8733.870.00-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.